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(11) Application No. AU 200195225 A1 (12) PATENT APPLICATION (19) AUSTRALIAN PATENT OFFICE (54)Control of gene expression $(51)^{7}$ International Patent Classification(s) C12N 015/11 (21)Application No: 200195225 (22)Application Date: 2001.11.30 (43)Publication Date: 2002.01.31 (43)Publication Journal Date: 2002.01.31 (62)Divisional of: 199929163 (71)Applicant(s) Benitec Australia Ltd; State of Queensland through its Department of Primary Industries (72)Inventor(s) Michael Wayne Graham; Robert Norman Rice (74)Agent/Attorney FREEHILLS CARTER SMITH BEADLE, Level 43,101 Collins Street, MELBOURNE VIC 3000

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ABSTRACT

The present invention relates generally to a method of modifying gene expression and to synthetic genes for modifying endogenous gene expression in a cell, tissue or organ of a transgenic organism, in particular a transgenic plant. More particularly, the present invention utilises recombinant DNA technology to post-transcriptionally modify or modulate the expression of a target gene in a cell, tissue, organ or whole organism, thereby producing novel phenotypes. Novel synthetic genes and genetic constructs which are capable of repressing delaying or otherwise reducing the expression of an endogenous gene or a target gene in an organism when introduced thereto are also provided.

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